



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

SCIENCE

A WEEKLY JOURNAL DEVOTED TO THE ADVANCEMENT OF SCIENCE, PUBLISHING THE OFFICIAL NOTICES AND PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

EDITORIAL COMMITTEE: S. NEWCOMB, Mathematics; R. S. WOODWARD, Mechanics; E. C. PICKERING, Astronomy; T. C. MENDENHALL, Physics; R. H. THURSTON, Engineering; IRA REMSEN, Chemistry; CHARLES D. WALCOTT, Geology; W. M. DAVIS, Physiography; HENRY F. OSBORN, Paleontology; W. K. BROOKS, C. HART MERRIAM, Zoology; S. H. SCUDDER, Entomology; C. E. BESSEY; N. L. BRITTON, Botany; C. S. MINOT, Embryology, Histology; H. P. BOWDITCH, Physiology; J. S. BILLINGS, Hygiene; WILLIAM H. WELCH, Pathology; J. McKEEN CATTELL, Psychology; J. W. POWELL, Anthropology.

FRIDAY, JULY 11, 1902.

CONTENTS:

<i>American Association for the Advancement of Science:—</i>	
<i>The Pittsburgh Meeting: DR. D. T. MACDOUGAL</i>	41
<i>Applied Botany, Retrospective and Prospective: DR. B. T. GALLOWAY</i>	49
<i>Scientific Books:—</i>	
<i>Wolf's Histoire de l'Observatoire de Paris: PROFESSOR GEORGE C. COMSTOCK. Pammel and Weems on the Grasses of Iowa: PROFESSOR W. J. BEAL. Parker and Parker's Practical Zoology: DR. M. A. BIGELOW</i>	59
<i>Societies and Academies:—</i>	
<i>New York Academy of Sciences, Section of Astronomy, Physics and Chemistry: DR. S. A. MITCHELL</i>	63
<i>Scientific Journals and Articles</i>	63
<i>Discussion and Correspondence:—</i>	
<i>Force and Energy: PROFESSOR CHARLES S.</i>	

MINOT. <i>Ether Waves from Explosions: PROFESSOR FRANCIS E. NIPHER. Ecology: W. F. GANONG. The European Pond-snail: DR. B. ELLSWORTH CALL. Text-books: J. STANFORD BROWN</i>	64
<i>Shorter Articles:—</i>	
<i>A New Meteorite from Kansas: DR. OLIVER C. FARRINGTON. Notes on the Lafayette and Columbia Formations and some of their Botanical Features: ROLAND M. HARPER. Instinct in Song Birds: WILLIAM E. D. SCOTT. A New Short Method of Multiplication: DR. D. N. LEHMER</i>	67
<i>Current Notes on Meteorology:—</i>	
<i>Eclipse Meteorology; Rainfall Variations; Notes: PROFESSOR R. DE C. WARD</i>	74
<i>Memorial of Haller: PROFESSORS MICHAEL FOSTER and PAUL HEGER</i>	75
<i>Scientific Notes and News</i>	77
<i>University and Educational News</i>	79

MSS. intended for publication and books, etc., intended for review should be sent to the responsible editor, Professor J. McKeen Cattell, Garrison-on-Hudson, N. Y.

THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

THE fifty-first meeting, held in Pittsburgh, from June 28 to July 3, may be held to be fairly typical of the general development of the Association during the last few years, and as one which goes far toward realizing some of the more serious purposes of the organization.

The total number of members in attendance was 431, which places the meeting far up toward the head of the list, so far as this feature is to be taken into account, and the roll includes an unusual proportion of the worthiest names among American men of science. Especially large attendance in physics, chemistry, mechanics and engineering may be attributed to the opportunity afforded the members of inspecting the great number of manufacturing establishments in and about Pittsburgh, which exhibit some of the most modern and interesting examples of the applications of the branches in question. This feature